

IN THE CLAIMS

Please amend the following claims:

A1

10. (Amended) A vector comprising the isolated DNA molecule as claimed in claim 1, wherein said isolated DNA molecule is under control of a regulatory element that directs expression of said DNA in a plant cell.

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15. (Amended) A transformed plant cell comprising the vector of claim 10.

16. (Amended) A transformed plant comprising the vector of claim 10.

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18. (Amended) An isolated protein encoded by the isolated DNA molecule as claimed in claim 4.

19. (Amended) A method of producing asexually derived embryos comprising:

- i) transforming a plant cell with the vector of claim 10;
- ii) growing said plant cell to produce transformed tissue;
- iii) selecting said transformed tissue for occurrence of said isolated DNA molecule; and
- iv) assaying said transformed plant for asexual embryo production.

A4

25. (Amended) A method of modifying the regenerative capacity of a plant comprising:

- i) transforming a plant cell with the vector of claim 10;
- ii) growing said transformed plant cell to produce transformed tissue; and
- iii) assaying said transformed plant tissue for enhanced regeneration as compared to wild-type tissue.

A5

27. (Amended) A method of selecting a transformed plant comprising;

- i) transforming a normally non-regenerative plant with a vector of claim 10; and

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Conc'd

- ii) determining whether said transformed plant is able to regenerate under conditions in which said normally non-regenerative plant does not regenerate.

A6

30. (Amended) A vector comprising the isolated DNA molecule of claim 28 operably associated with a gene of interest, wherein said isolated DNA molecule directs the expression of said gene of interest within a plant cell.

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33. (Amended) A transformed plant cell comprising the vector of claim 30.

34. (Amended) A transformed plant comprising the vector of claim 30.

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36. (Amended) A method for directing the expression of a gene of interest within a developing embryo of a plant comprising transforming said plant with the vector as defined by claim 30.

37. (Amended) A use of a nucleotide sequence as defined in claim 4 as a selectable marker.

38. (Amended) A method of producing asexually derived embryos comprising:

- i) transiently transforming a plant cell with the vector of claim 10, to produce a modified plant cell;
- ii) growing said modified plant cell to produce tissue; and
- iii) assaying said tissue for asexual embryo formation.

44. (Amended) A method of modifying the regenerative capacity of a plant comprising

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- i) transiently transforming a plant cell with the vector of claim 10, to produce a modified plant cell;
- ii) growing said modified plant cell to produce tissue; and
- iii) assaying said tissue for enhanced regeneration as compared to wild-type tissue.

A10

46. (Amended) A method of producing an apomictic plant comprising:

A10
could

- i) transforming a plant with the vector of claim 10, to produce a transformed plant;
- ii) selecting said transformed plant for occurrence of said isolated DNA molecule; and
- iii) assaying said transformed plant for asexual embryo production.

51. (Amended) A method of modifying the regenerative capacity of a plant comprising

- i) transiently transforming a plant cell with the vector of claim 10;
- ii) growing said plant cell to form tissue; and
- iii) assaying said tissue for enhanced regeneration as compared to wild-type tissue.

53. (Amended) A method of selecting a modified plant comprising;

- i) transiently transforming a normally non-regenerative plant with a vector of claim 10 to produce said modified plant; and
- ii) determining whether said modified plant is able to regenerate under conditions in which said normally non-regenerative plant does not germinate.

55. (Amended) A method of producing a protein of interest comprising

- i) transforming a plant with a vector of claim 10 to produce a transformed plant;
- ii) selecting said transformed plant for occurrence of said isolated DNA molecule; and
- iv) growing said transformed plant in order to produce said protein of interest, wherein expression of said protein of interest is induced by the expression product of said isolated DNA.

58. (Amended) The method of claim 55, wherein said protein of interest is selected from the group consisting of a pharmaceutically active protein, antibody, industrial enzyme, protein supplement, nutraceutical, storage protein, an enzyme involved in oil biosynthesis, animal feed, and animal feed supplement.